WMB2000

# 802.11b Wireless Mini PCI Card

**The WMB2000** is a very small card that can fit into any notebook, handheld or desktop computer equipped with a Mini PCI (Type III B slot) interface for the wireless network applications.

**The WMB2000** allows you to take full advantage of your PC's mobility with access to real-time information and online services anytime and anywhere. Plus, with the network installation simplicity and flexibility, you can eliminate the need to pull cable through walls and ceilings and allow the network to go where wires cannot go. Exploring WWW and augmenting networks can never be done more easily.

## FEATURES

- Compliant with IEEE802.11b standard for 2.4GHz Wireless LAN
- MiniPCI Type III B slot compliant
- Up to 11Mbps data rate
- Supports Plug-and-Play
- Works with all existing network infrastructure
- Complies with specific wireless products and services
- Capable of up to 128-Bit WEP Encryption
- Freedom to roam while staying connected
- 11 Mbps High-Speed Transfer Rate
- Lower power consumption
- Easy to install and configure

## SPECIFICATIONS

| | |
|---|---|
| **Standard** | IEEE 802.11b |
| **Host Interface** | Mini PCI Type III B slot |
| **Antenna** | Internal diversity with connectors |
| **Frequency Range** | 2.412GHz-2.4835GHz |
| **Number of Selectable Channels** | ▪ USA, Canada: 11 channels<br>▪ Europe: 13 channels<br>▪ Japan: 14 channels |
| **Modulation Technique** | Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK) |
| **Security** | 0/64/128 bit WEP |
| **Spreading** | 11 chip Barker sequence |
| **Bit Error rate** | Better than $10^{-5}$ |
| **Media Access Protocol** | CSMA/CA (Collision Avoidance) with ACK |
| **Power Requirement** | Operating Voltage: 3.3V<br>▪ Normal Operation: 430mA (Max)<br>▪ Standby Mode: 25mA (Max) |
| **Physical Specifications** | ▪ Weight: 7g<br>▪ Dimension: 59.56 (L) x 44.45(W) mm |
| **Environment Specifications** | ▪ Operating Temperature: 0~65℃ ambient temperature<br>▪ Storage Temperature: -20~75℃ ambient temperature<br>▪ Operating humidity: 95% maximum (non-condensing)<br>▪ Storage humidity: 95% maximum (non-condensing) |
| **Supported OS** | Windows 98/ME/2000/XP |
| **EMC Certification** | ▪ FCC Part 15 in US<br>▪ EN300328 and EN300826 (EN301489-17) in Europe |

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